

**Amendment and Response**  
Applicant: Kenneth Smith et al.  
Serial No.: 10/743,662  
Filed: Dec. 22, 2003  
Docket No.: 10013804-1  
Title: MRAM WITH CONTROLLER

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### **REMARKS**

The following remarks are made in response to the Office Action mailed June 27, 2006. Claims 1-23 were rejected. Claim 24 has been added. Claims 1-24 remain pending in the application and are presented for reconsideration and allowance.

#### **Double Patenting**

Claims 1, 2, and 21 are provisionally rejected on the ground of nonstatutory double patenting over claim 17 of co-pending Application No. 2003/0023928. This is a provisional double patenting rejection since the conflicting claims have not yet been patented.

Because the rejection is provisional, Applicants respectfully request that this rejection be held in abeyance until the patenting of the conflicting claim or until the Examiner determines that claims of the present application are in a form for allowance. Applicants respectfully reserve the right to traverse the rejection in a later response.

#### **Claim Rejections under 35 U.S.C. § 102**

Claims 1-23 are rejected under 35 U.S.C. §102(b) as being anticipated by Bonke et al. (U.S. Patent No. 5,661,848).

Claim 1 recites, *inter alia*, “a magnetic random access memory (MRAM) array that comprises a plurality of magnetic memory cells”. Bonke does not teach or suggest this feature of claim 1, and the Office Action does not identify a teaching of this feature in Bonke.

Bonke teaches a “multiple-drive, data-storage system [that] comprises … two drive mechanisms.” Col. 8, lines 61-62. Bonke also teaches that “[o]ne of the two drive mechanisms is a fixed-media disk drive comprising a head disk assembly (HDA) 30 … [and] the other of the two drive mechanisms is a removable-media disk drive comprising a player mechanism 40 having loading means for loading and unloading at least one optical disk therein.” Col. 8, lines 62-64. Bonke does not teach or suggest that HDA 30 or player mechanism 40 include “a magnetic random access memory (MRAM) array that comprises a plurality of magnetic memory cells” as recited in claim 1.

Accordingly, Applicants respectfully submit that claim 1 patentably distinguishes over the cited reference for at least these reasons. Claims 2-9 depend from claim 1 and are

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believed to patentably distinguish over the cited references for at least the above reasons.

Accordingly, Applicants respectfully request the withdrawal of the rejection of claims 1-9 under 35 U.S.C. §102(b).

In addition, new claim 24 depends from claim 1 and recites additional features not taught or suggested by Bonke.

Claim 10 recites “a memory card coupled to the host device, the memory card comprising a magnetic random access memory (MRAM) array that comprises a magnetic memory cell and a controller coupled to the MRAM array”. Bonke does not teach or suggest this feature of claim 10, and the Office Action does not identify a teaching of this feature in Bonke.

Applicants respectfully submit that claim 10 patentably distinguishes over the cited reference for at least the reasons given above for claim 1. Claims 11-17 depend from claim 10 and are believed to patentably distinguish over the cited references for at least the above reasons. Accordingly, Applicants respectfully request the withdrawal of the rejection of claims 10-17 under 35 U.S.C. §102(b).

Claim 18 recites “detecting a data transfer command associated with at least one magnetic memory cell in the MRAM array from a host device”. Bonke does not teach or suggest this feature of claim 18, and the Office Action does not identify a teaching of this feature in Bonke.

Applicants respectfully submit that claim 18 patentably distinguishes over the cited reference for at least the reasons given above for claim 1. Claims 19-20 depend from claim 10 and are believed to patentably distinguish over the cited references for at least the above reasons. Accordingly, Applicants respectfully request the withdrawal of the rejection of claims 18-20 under 35 U.S.C. §102(b).

Claim 21 recites “a magnetic random access memory (MRAM) array that comprises a plurality of magnetic memory cells”. Bonke does not teach or suggest this feature of claim 21, and the Office Action does not identify a teaching of this feature in Bonke.

Applicants respectfully submit that claim 21 patentably distinguishes over the cited reference for at least the reasons given above for claim 1. Claims 22-23 depend from claim 10 and are believed to patentably distinguish over the cited references for at least the above

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reasons. Accordingly, Applicants respectfully request the withdrawal of the rejection of claims 21-23 under 35 U.S.C. §102(b).

### **CONCLUSION**

In view of the above, Applicant respectfully submits that pending claims 1-24 are in form for allowance and are not taught or suggested by the cited references. Therefore, reconsideration and withdrawal of the rejections and allowance of claims 1-24 is respectfully requested.

The Examiner is invited to contact the Applicant's representative at the below-listed telephone numbers to facilitate prosecution of this application.

Any inquiry regarding this Amendment and Response should be directed to either N. Brian Short at Telephone No. (408)888-9830 or Christopher P. Kosh at Telephone No. (512) 241-2403, Facsimile No. (512) 241-2409. In addition, all correspondence should continue to be directed to the following address:

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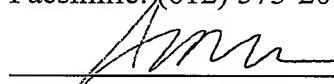
Respectfully submitted,

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**CERTIFICATE UNDER 37 C.F.R. 1.8:** The undersigned hereby certifies that this paper or papers, as described herein, are being deposited in the United States Postal Service, as first class mail, in an envelope address to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 21st day of September, 2006.

By \_\_\_\_\_  
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